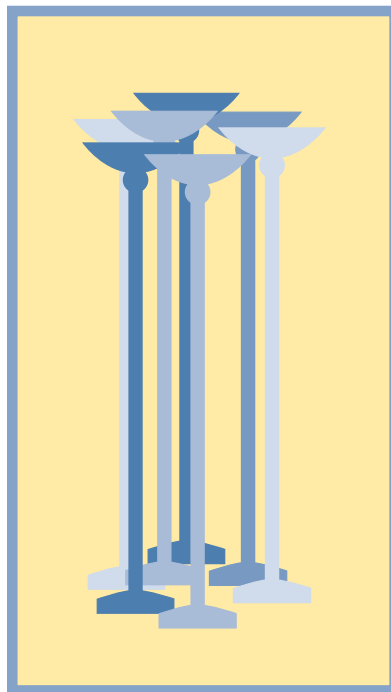


Energy-Efficient Torchiere Swap Guide



**A Lighting Technology for
Reducing Energy Costs
and Improving Safety Conditions
in Military Housing
Across the Nation**



Federal Energy Management Program

Introduction

Because of public safety concerns and the large amount of energy used by halogen torchieres, Lawrence Berkeley National Laboratory (LBNL) began work on the compact fluorescent (CFL) prototype for an energy-efficient torchiere. After a development period, during which the technology was optimized, the fixtures became available in the marketplace. Since that time, LBNL has been encouraging and promoting market transformation efforts, such as swap-out and utility rebate programs.

This brochure provides materials that show how to effectively conduct a torchiere swap-out event. It was developed at LBNL with support from FEMP's New Technology Demonstration Program.

Background

There are currently over 300,000 military housing units in the United States and there are indications that a significant number of them use hot-burning, halogen torchieres (uplights). These floor lamps may represent serious safety and energy issues for the military, which can easily be addressed by replacing halogen torchieres with energy-efficient, cool-burning, fluorescent torchieres. Compact fluorescent torchieres use 25% of the energy of halogens and only get one-fourth as hot. This new technology is readily available from several manufacturers and in home-improvement stores. Torchiera swap-out programs have the potential to greatly accelerate the adoption of these cool-burning torchieres in military housing installations.

Separate pamphlets in this program describe:

- Problems associated with halogen torchieres
- Safe, compact fluorescent torchiere alternatives
- A step-by-step, "how-to" torchiere swap guide for military housing management to follow
- Benefits of switching to energy-efficient torchieres for military housing installations
- Surveys and forms



*Top view of
LBNL-designed CFL
torchiera.*



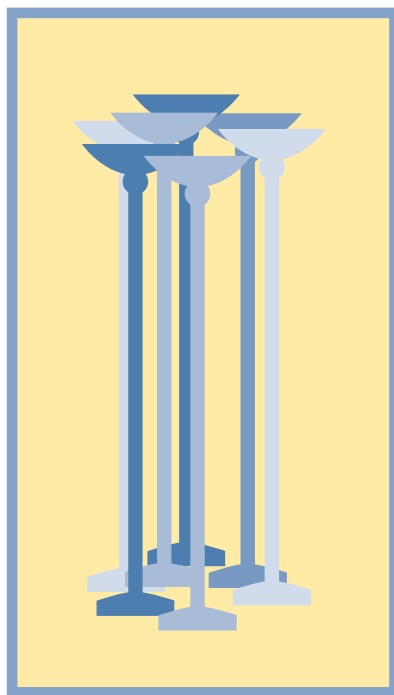
*Cool-burning CFL
torchieres are available in
several colors and styles.*

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Prepared by FEMP's New Technology Demonstration Program

DOE/EE-0262 • February 2002

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